

Grading Group Work

Please assign points to your group members in the following areas (5=to a very great extent, 1= not at all)	Person 1	Person 2	Person 3	Person 4
Attended meetings promptly & reliably				
Offered helpful ideas				
Followed through on individual assignments				
Gave support and help to others				
Overall contribution to group				

Grading Rubric – Problem Solving

<p>Step 1 – Define the problem (6 points – max)</p> <ul style="list-style-type: none"> • Determines and lists knowns and unknowns • Draws figures. • Identifies the constraints 	
<p>Step 2 – Explore (6 points – max)</p> <ul style="list-style-type: none"> • Asks questions • Examines all aspects of the problem <ul style="list-style-type: none"> ○ What parts/information are present? ○ Which of these parts are routine? ○ What data/information is missing? ○ Are there alternate solution methods? What unavailable data are likely to be required? ○ What equations are most appropriate? ○ Is this problem analogous to another problem? ○ What do limiting conditions say about the solution? 	
<p>Step 3 – Plan & Do it (6 points – max)</p> <ul style="list-style-type: none"> • Uses formal logic to set up the steps of the problem. • Uses a flow-chart for more complex problems • Writes out and solve the appropriate equations <i>without numbers</i>. • Puts in values and calculates an answer. 	
<p>Step 4 – Check It & Generalize (6 points – max)</p> <ul style="list-style-type: none"> • Checks dimensions and/or units. • Checks for math and conceptual errors. • Compares the answer to the limits determined in the explore step. • Compares answer to intuitive answer. • Considers what has been learned about the content? • Considers possible errors. 	
<p>Response to Prompting (6 points – max)</p>	

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